BRUHAT BANGALORE MAHANAGARA PALIKE
BYTARAYANPURA DIVISION

Name of Work: - Improvements of Roads, Drains, Footpath and Parks in ward no 08.

(Package includes 11 works of Rs 1010 Lakhs)

TOTAL ABSTARCT

TEJUS CONSULTANTS
CONSULTING ENGINEERS AND DESIGNERS
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BRUHAT BANGALORE MAHANAGARA PALIKE

BYATARAYANAPURA DIVISION

Improvements to Roads,drains,footpath and park in ward no.08,Bytarayanapura Division (Package includes 11 Works of Rs 1010 lakhs)

Bill No : 10th Part Bill

BOQ Sl.No	Description of work	Unit	Qnty	Rate	Amount
1	KSRRB M200-13.1. Dismantling of existing structures like culverts, Bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceble material and stacking the serviceble material with all lifts complete as per specifications. II. By mechanical means, A. Cement concrete Grade M-15 & M-20 (P.No.137, I.No.18.20 of PW,P&IWTD SR 2016-17)	Cum			
	Defence Road and Amco Layout		132.98		
	Present Qty		132.98		
	Previous Qty		73.60		
	Total		206.58		
	Modified BOQ		206.58		
	TOTAL		**132.98**		
	BOQ		73.60		
	Up to 125%		**18.40**	**488.86**	**8,995.00**
	Above 125%		**114.58**	**478.42**	**54,817.00**
2	Removing & Refixing Stone slabs of drains and Pointing in C.M(1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)	Sqm			
	Defence Road and Amco Layout		42.30		
	Present Qty Limited to		0.00		
	Previous Qty		7,388.49		
	Total		7,388.49		
	Modified BOQ		7,388.91		
	Qty Limited to Be Paid		0.00	**84.48**	**0.00**
4	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWTD SR 2016-17)	Cum			
	Defence Road and Amco Layout		1,534.29		
	Present Qty		1,534.29		
	Previous Qty		7,966.28		
	Total		9,500.57		
	Modified BOQ		9,609.49		
	TOTAL		**1,534.29**	**202.30**	**3,10,387.00**
5	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.2 of PW,P&IWTD S.R 2016-17)	Cum			
	Defence Road and Amco Layout		99.70		
	Present Qty		99.70		
	Previous Qty		807.59		
	Total		907.28		
	Modified BOQ		938.80		5,59,188.00
	TOTAL		99.70	5608.71	5,59,179.00

Asst Exe. Engr
AE(Ret)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Pa
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BOQ Slno	Description of work	Unit	Qnty	Rate	Amount
6	Providing laying plain/ reinforced cement concrete M20 Grade for Box Drain walls of thickness 10cm to 20cm including centering shuttering for walls etc. complete as per approved drawing and design MORTH specification No. 1500, 1700, 2200. (P.No.265, I.No.37.59.2 of PW, P&IWTD SR 2016-17	Cum			
	Defence Road and Amco Layout		111.89		
	Present Qty		111.89		
	Previous Qty		1,262.65		
	Total		1,374.53		
	Modified BOQ		1,374.77		
	TOTAL		**111.89**	**11568.66**	**12,94,360.00**
					1294417.68
7	KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specifcation No. KBS 4.6.2 (P.No.15, I.No.4.28 of PW, P&IWTD SR 2016-17)	Sqm			
	Defence Road and Amco Layout		112.68		
	Present Qty		112.68		
	Previous Qty		67.65		
	Total		180.33		
	Modified BOQ		180.33		
	TOTAL		**112.68**	**256.76**	
	~~BOQ~~		~~76.55~~		
	Up to 125%		**28.04**	**256.76**	**7,200.00**
	Above 125%		**84.64**	**251.28**	**21,268.00**
8	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surfaces such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 (P.No.15, I.No.4.31 of PW,P&IWTD SR 2016-17)	Sqm			
	Defence Road and Amco Layout		167.25		
	Present Qty		167.25		
	Previous Qty		387.40		
	Total		554.65		
	Modified BOQ		561.85		
	TOTAL		**167.25**	**325.67**	**54,468.00**
9	Providing and laying cement concrete using 20mm and downsize granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for RCC works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cpost of steel and fabricaton charges) Ready Mixed Cement Concrete M 20 for Raft foundation, Column, Footing, main and secondary beams. (P.No.18, I.No.4.48 of PW, P&IWTD SR 2016-17)	Cum			
	Defence Road and Amco Layout		45.54		
	Present Qty		45.54		
	Previous Qty		125.28		
	Total		170.81		
	Modified BOQ		171.56		297586.00
	TOTAL		**45.54**	**6534.60**	**2,97,561.00**

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BOQ Sl.No	Description of work	Unit	Qnty	Rate	Amount
10	KSRB - 4.9.2: Providing TMT steel Fe500 reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	Tonne			
	Defence Road and Amco Layout		12.48		
	Present Qty		12.48		
	Previous Qty		64.62		
	Total		77.10		
	Modified BOQ		77.25		
	TOTAL		**12.48**	**62300.47**	**7,77,510.00**
14	KSRB 5.2-3: Providing and constructing granite size stone masonry in foundation cement mortor 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materaials, labour, curing complete as per specifications. Specification No. KBS 5.1.13. (P.No.23, I.No.5.6 of PW, P&IWTD S.R 2016-17)	Cum			
	Defence Road and Amco Layout		81.00		
	Present Qty		81.00		
	Previous Qty	131.78	0.00		
	Total		81.00		
	Modified BOQ		212.76		
	TOTAL		**81.00**	**4653.92**	**3,76,968.00**
					371874.00
15	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4(P.No.24, I.No.5.26.2 of PW, P&IWTD SR 2016-17)	Sqm			
	Defence Road and Amco Layout		231.04		
	Present Qty		231.04		
	Previous Qty		528.94		
	Total		759.98		
	Modified BOQ		760.80		
	TOTAL		**231.04**	**1008.15**	
	BOQ		584.00		
	Up to 125%		**201.06**	**1008.15**	**2,02,699.00**
	Above 125%		**29.98**	**986.61**	**29,579.00**
17	KSRB 4-1.6: Providing and laying in position plain cement concrete of min 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.6 of PW,P&IWTD S.R 2016-17)	Cum			
	Defence Road and Amco Layout		38.70		
	Present Qty		38.70		
	Previous Qty		76.85		
	Total		115.54		

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BOQ Sl.No	Description of work	Unit	Qnty	Rate	Amount
	Modified BOQ		158.37		
	TOTAL		**38.70**	**6047.76**	**2,34,022.00**
					234048.00
18	KSRRB M400-19: Construction of Median and island above road level with approved material deposited from borrowpits, spread, sloped and compacted as per Clause 400.7 complete as per specifications. MORTH Specification No.407 (P.No154 of I.No.20.20 in PW,P&IWTD SR 2014-15)	Cum			
	Defence Road and Amco Layout		67.67		
	Present Qty		67.67		
	Previous Qty		38.58		
	Total		106.25		
	Modified BOQ		106.43		
	TOTAL		**67.67**	**218.97**	**14,818.00**
20	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm			
	Defence Road and Amco Layout		281.27		
	Present Qty		281.27		
	Previous Qty		2,928.22		
	Total		3,209.49		
	Modified BOQ		3,209.75		
	TOTAL		**281.27**	**1780.52**	**5,00,798.00**
					500807.00
21	Providing and fixing RCC Precast cover slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm			
	Defence Road and Amco Layout		97.35		
	Present Qty		97.35		
	Previous Qty		479.40		
	Total		576.75		
	Modified BOQ		576.75		
	TOTAL		**97.35**	**4995.53**	**4,86,315.00**
22	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete (P.No.25, I.No.5.30 of PW,P&IWTD S.R 2016-17)	Nos			
	Defence Road and Amco Layout		1,135.00		
	Present Qty		1,135.00		
	Previous Qty		6,278.00		
	Total		7,413.00		
	Modified BOQ		7,414.00		
	TOTAL		**1,135.00**	**347.90**	**3,94,867.00**

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BOQ No	Description of work	Unit	Qnty	Rate	Amount
	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&IWTD S.R 2016-17)	Cum			
	Defence Road and Amco Layout		2,961.75		
	Present Qty		2,961.75		
	Previous Qty		2,401.96		
	Total		5,363.71		
	Modified BOQ		5,537.52		
	TOTAL		**2,961.75**	**162.28**	
	5616.87 **BOQ**		2,389.63		
	Up to 125%		**585.08**	**162.28**	**94,946.00**
	Above 125%		**2,376.67**	**158.81**	**3,77,451.00**
	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWTD SR 2016-17)	Cum			377439.00
	Defence Road and Amco Layout		1,628.84		
	Present Qty		1,628.84		
	Previous Qty		1,780.25		
	Total		3,409.10		
	Modified BOQ		3,709.04		
	TOTAL		**1,628.84**	**1854.01**	
	3705.25 **BOQ**		1,375.36		
	Up to 125%		**0.00**	**1854.01**	**0.00**
	Above 125%		**1,628.84**	**1814.40**	**29,55,380.00**
	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatement including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec, Chapter 5 (P.No.161, I.No.21.2 of PW,P&IWTD SR 2016-17)	Sqm	1587.79		2841314.00
	Defence Road and Amco Layout		1,826.41		
	Present Qty		1,826.41		
	Previous Qty		34,586.72		
	Total		36,413.13		
	Modified BOQ 39547.71		39,540.71		
	TOTAL		**1,826.41**	**3.33**	**6,082.00**

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BOQ No	Description of work	Unit	Qnty	Rate	Amount
	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 ReaffirmecF2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. M20 (at 300Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.43cum) with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	Cum			
	Defence Road and Amco Layout		158.54		
	Present Qty		158.54		
	Previous Qty		147.11		
	Total	306.28	305.65		
	Modified BOQ		305.65		
	TOTAL		**158.54**		306966.00
	Up to 125%		**53.14**	**5,776.55**	**3,06,983.92**
	Above 125%		**105.40**	**5,653.15**	**5,95,835.76**
					595842.08
	Providing Rain Water Harvesting Pits for Drains	Each			
	Defence Road and Amco Layout		2.00		
	Present Qty		2.00		
	Previous Qty		0.00		
	Total		2.00		
	Modified BOQ		2.00		
	TOTAL		**2.00**	**22020.60**	**44,041.20**
	KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3	Sqm			
	Defence Road and Amco Layout		7,881.88		
	Present Qty		7,881.88		
	Previous Qty		421.25		
	Total		8,303.13		
	Modified BOQ		10,271.05		
	TOTAL		7,881.88	**5.56**	
	m- 10 291.46 **BOQ**		4,200.00		
	Up to 125%		**4,828.75**	**5.56**	**26,848.00**
	Above 125%		**3,053.13**	**5.44**	**16,606.00**
					16609.00
	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305	Cum			
	Defence Road and Amco Layout		1,509.31		

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BQ Sln	Description of work	Unit	Qnty	Rate	Amount
	Present Qty		1,509.31		
	Previous Qty		0.00		
	Total		1,509.31		
	Modified BOQ 15/2.49		1,509.82		
	TOTAL		**1,509.31**	**335.68**	**5,06,646.00**
	KSRRB M200-29. Dismantling of barbed wire fencing / wire mesh fencing including posts, foundation concrete, back filling of pit by manual means including disposal of dismantled material with all lifts and stacking serviceable material and unserviceable material separately complete as per specifications. MORTH Specification No. 202	Sqm			
	Defence Road and Amco Layout		360.00		
	Present Qty		360.00		
	Previous Qty		0.00		
	Total		360.00		
	Modified BOQ		360.00		
	TOTAL		360.00	**46.68**	
	BOQ		**40.00**		
	Up to 125%		**50.00**	**46.68**	**2,334.00**
	Above 125%		**310.00**	**45.69**	**14,162.79**
	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint	Sqm			
	Defence Road and Amco Layout		537.50		
	Present Qty		537.50		
	Previous Qty		0.00		
	Total		537.50		
	Modified BOQ		537.50		
	TOTAL		537.50	**732.49**	
	BOQ		84.00		
	Up to 125%		**105.00**	**732.49**	**76,911.00**
	Above 125%		**432.50**	**716.84**	**3,10,034.00**
	Extra Items				
	Removing and refixing of existing chainlink fencing.(Approved copy enclosed)	**m**			
	Defence Road and Amco Layout		1,139.50		
	Present Qty		1,139.50		
	Previous Qty		0.00		
	Total		1,139.50		
	Modified BOQ		1,139.50		
	TOTAL		1,139.50	**235.00**	**2,67,783.00**
	Removing and refixing of existing poles.(Approved copy enclosed)	**m**			
	Defence Road and Amco Layout		654.00		
	Present Qty		654.00		
	Previous Qty		0.00		
	Total		654.00		
	Modified BOQ	645	645.00		
	TOTAL	645	654.00	**210.00**	**1,37,340.00** 135450.00

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BOQ No	Description of work	Unit	Qnty	Rate	Amount
IL-3	KSRRB M300- Wrought iron and mild steel welded work KSRRB M300-18. Wrought iron and mild steel welded work (using angles, square bars, tees and channel grills, grating frames, gates and tree guards of any size and design etc. including cost of screens and welding rods or bolts and nuts complete fixed in position but without the cost of excavation and concrete for fixing which will be paid separately complete as per specifications.(P.No.150 I.No.19.97 of PW,P&IWTD SR of 2018-19)	**Quintal**			
	Defence Road and Amco Layout		35.80		
	Present Qty		35.80		
	Previous Qty		0.00		
	Total		35.80		
	Modified BOQ		35.80		
	TOTAL		35.80	**8755.96**	**3,13,454.00** 313463.00
IL-4	KSRRB M800-Portable barricade in construction zone KSRRB M800-43. Installation of a steel portable barricade with horizontal rail 300 mm wide, 2.5 m in length fitted on a 'A' frame made with 45 x 45 x 5 mm angle iron section, 1.5 m in height, horizontal rail painted (2 coats) with yellow and white stripes, 150 mm in width at an angle of 45°, 'A' frame painted with 2 coats of yellow paint, complete as per IRC:SP:55-2001 complete as per specifications. Item No 24.44 PWD SR 18-19.	**Each**			
	Defence Road and Amco Layout		751.00		
	Present Qty		751.00		
	Previous Qty		0.00		
	Total		751.00		
	Modified BOQ	740	~~798.00~~		
	TOTAL		~~751.00~~ 740.00	**3033.58**	~~22,78,217.00~~ 2244849
IL-5	KSRRB 300-6. Excavation soft rock without blasting for formation of roads including stacking neatly, to uniform line and level including cost of explosives, labour, HOM of machineries and equipments complete as per specifications. (with all lead and lift) MORTH / Chapter 3. PWD SR 2018-19. Item No 19.6	**cum**			
	Defence Road and Amco Layout		369.00		
	Present Qty		369.00		
	Previous Qty		0.00		
	Total		369.00		
	Modified BOQ		369.00		
	TOTAL		369.00	**1532.63**	**5,65,539.00** 565540
IL-6	KSRB15-3.5 : Providing 15mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(P.No. 112, I.No. 15.13 of PWD SR 2018-19	**sq-m**			
	Defence Road and Amco Layout		411.60		
	Present Qty		411.60		
	Previous Qty		0.00		
	Total		411.60		
	Modified BOQ		411.60		
	TOTAL		411.60	**269.25**	~~1,10,821.00~~ 110823

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Bruhat Bangalore Mahanagara Palike
Bangalore - 560 032

BOQ No	Description of work	Unit	Qnty	Rate	Amount
BL-8	KSRB 14.6-2: Providing & laying heavy duty cobble stones 75mm thick interlock pavers,using cement & course sand for manufacture of blocks of approved size ,shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (Avg thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS (P.No 103 of I.No.14.6 in PW,P&IWTD SR 2018-19)	sq-m			
	Defence Road and Amco Layout		255.10		
	Present Qty		255.10		
	Previous Qty		0.00		
	Total		255.10		
	Modified BOQ		563.36		
	TOTAL		255.10	**1352.32**	**3,44,981.00**
BL-9	Crushed Coarse aggregate,(Supply of hand broken aggregates) 100mm and down size Item No 37, Code 0912, Page No II (Material Rate) PWD SR 2018-19	cum			
	Defence Road and Amco Layout		476.58		
	Present Qty		476.58		
	Previous Qty		0.00		
	Total		476.58		
	Modified BOQ		478.48		
	TOTAL		476.58	**1541.34**	**7,34,566.00**
BL-10	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision.PWD SR 2018-19. Item No 20.5	cum			
	Defence Road and Amco Layout		1,349.32		
	Present Qty		1,349.32		
	Previous Qty		0.00		
	Total		1,349.32		
	Modified BOQ		1,302.00		
	TOTAL		1,349.32	**2292.85**	**30,93,797.00**
BL-11	KSRRB M600-1. Construction of dry lean cement concrete mix CC1:5:10 with OPC cement @160Kgs, with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub- base over a prepared sub-grade with (coarse and fine aggregate conforming to IS: 383) aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. MORTH Specification No. 601 of MORTH V Revision and -do- with OPC at 420 kg/cum and coarse aggregate 0.64cum, fine aggregate 0.36cum using Concrete Batch mix Plant at 75 cum/hr capacity with fixed form paver. item no 22.1.2, Page No 174. PWD SR 2018-19	cum			
	Defence Road and Amco Layout		119.14		
	Present Qty		119.14		
	Previous Qty		0.00		
	Total		119.14		

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike

BOQ No	Description of work	Unit	Qnty	Rate	Amount
	Modified BOQ		119.62		531971.0
	TOTAL		119.14	**4465.09**	**5,31,978.00**
L-12	Providing barbed GI wire fencing of 12x12 gauge drawn into stone pillars or iron pillars including drawing in holes wherever necessary excluding the cost of pillars but including the cost of barbed wire and binding wire etc., complete. (P.No.266 I.No.37.5 of PW,P&IWTD SR of 2018-19)	**Rmtr**			
	Defence Road and Amco Layout		392.00		
	Present Qty		392.00		
	Previous Qty		0.00		
	Total		392.00		
	Modified BOQ 392		1,248.00		15284.0
	TOTAL		392.00	**38.99**	**15,282.00**
				Grand Total	**1,93,53,830.6**

Contractor

Consultants

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Byatarayanapura Division
B.B.M.P

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B.B.M.P

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